Varga
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Secti. II-81—1,000—12-11-45.

Development (1946) Department

M S SERIES.

G.O. No. 1592
Dated 17 4 1946.

[illegible] ABSTRACT.

Industries File Industry Manufacture of glazed flooring and Mosaic tiles in South Kanara Dt. Experimental Centre Opening of Proposals of Director of Industries and Commerce Accepted

C.F. 32.

Ctd. 15049 D. 19 23.2.46.

Department | Received ..... Registered .....

From (Name) A.Khaleeli Esq., I.C.S. | To

Designation Director of Industries and Commerce, Madras, Camp, Coonoor.

Station

The Secretary to Government, Development Department, Madras.

UNDER SECRETARY 27 FEB 1946 DEVELOPMENT DEPARTMENT

Enclosures:

No. C4.2544/45. dated 23-2-1946.

Sir,

Sub: Industries - Cottage Industries - Manufacture of glazed flooring and Mosaic tiles - Experimental work - Proposals - Sanction.

At the request of the Board of Visitors to the Government Trades School, Mangalore, the Ceramic Expert visited the South Kanara District to examine the question of instituting a training course in Ceramics at the school and the possibilities of starting a ceramic industry in that district. Whilst at Mangalore, he met a few of the prominent persons interested in the development of the ceramic industry. He discussed with them the manufacture, particularly, of glazed wall and floor tiles, mosaic tiles and other building materials. It was pointed out that the raw materials required for making these articles occurred in abundance in that district and that as baking of these articles does not require high temperature, firewood, which is also available locally in large quantities, can be used with advantage. In spite of these advantages, no serious attempt, the Ceramic Expert reports, seems to have been made in the past. That the local tile manufacturers should be keen now at least to take to manufacture of new varieties of wares is a most hopeful sign of the times. They are, however, unable to embark on commercial production of these wares without the active cooperation and assistance of the ceramic section of my Department.

Very little is known from the scientific point of view about the nature and properties of the ceramic raw materials available in the district. A certain amount of preliminary research work has to be first undertaken with a view to standardising the bodies and glazes which could be made from the local raw materials for the manufacture of various types of tiles. For this purpose it is necessary that a Ceramist be employed. Whilst the chemical test of materials can be conducted at Madras, the bulk of experiments, viz. the actual manufacture of articles on experimental scale and the demonstration of manufacturing methods have all to be undertaken at Mangalore itself in one of the local factories. At this experimental centre, facilities for training the technical personnel required by the factories will be provided. This work is expected to be completed in about two years.

I have discussed this scheme with the representatives of the industry at Mangalore during my recent visit. At my instance, they have agreed to meet part of the cost involved. Copies of correspondence exchanged between the Secretary of the Tile Manufacturers Association, Mangalore and myself are enclosed. I request that Government may be pleased to approve my scheme and to sanction the staff required for the purpose for a period of two years viz.

One Ceramic Assistant on Rs.150 p.m. excluding dearness allowance.
One Supervisor on Rs.55 p.m. do.
Two skilled workmen on Rs.30 p.m. each do.
Three labourers at Rs.15 p.m. each do.
Travelling allowance for the staff at Rs.70 p.m.

necessary budget provision will be made in the Revised Estimate for 1946-47.

Director of Industries and Commerce.

Copy of letter No.C.4-2544/45 dated 4th December 1945 from the Director of Industries and Commerce, Madras to the Secretary, the Tile Manufacturers Association, Mangalore.

Sub: Glazed flooring and Mosaic Tiles - Experimental work.

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The Ceramic Expert has reported that during his recent visit to Mangalore, the Board of Visitors of the Government Trade School expressed the view that a pottery training centre should be opened in the Government School at Mangalore to train young men in pottery industry while some of the members of the tile manufacturers Association expressed the view that a survey of ceramic materials should first be undertaken in the District and the deposits of ceramic and uses, a suitable side industry should be introduced in the present tile factories in view of the cessation of war orders. The Ceramic Expert thinks that the manufacture of sanitary and mosaic tiles can be successfully introduced in Mangalore after conducting the preliminary experimental work on local materials.

A materials ought to light and test after making these properties

In agreeing with him generally, I suggest that a research station should be opened in one of the local tile works where the necessary experiments on local materials can be conducted and the manufacture of sanitary and mosaic tiles undertaken and candidates trained in the manufacture of glazed tiles and other white ware. To undertake the work, funds are required. The Tile industry had enjoyed the war boom and made good money. It is not unreasonable to ask the Tile Manufacturers to spend some money on development work. I am prepared to recommend to Government to sanction the staff as shown in Appendix A provided the Association is willing to procure the equipment necessary for the experimental work see Appendix B and supply the materials, fuel and labour as shown in Appendix C. As the research station will be housed in one of the tile factories, it is presumed that power will be supplied from the factory.

It will be seen that whilst the cost ~~of~~ to Government would be Rs.12,000 for 2 years, the cost to the Association would be under Rs.20,000 but the Association would have at the end of 2 years machinery etc., at its disposal worth Rs.10,000

I shall be glad to know your reactions to this suggestion. On hearing from you I would take further action in this matter.

Copy to the Superintendent, Government Trade School, Mangalore. He is requested to circulate this to the Board of Visitors to the school.

Cost of conducting the preliminary experimental work in glazed (sanitary) and mosaic tiles.

Appx. A

Staff:

One Ceramic Assistant on Rs.150 p.m. (150 - 26 D.A.)	2,112
One Supervisor on Rs.55 p.m. (55 + 18 D.A.)	876
Two skilled workmen on Rs.30/-p.m.(60 + 32 D.A.)	1,104
Travelling allowance for the staff at 50 p.m.	600
Three labourers (15+16 D.A.)	1,116
	5,808 say

Appx. B

Rs. ~~6,000~~/- Rs 6,000/-

Equipment.

Ball mill 3' x 3' .. 1	1,265
Pot mill single row and 3 pots 1	500
Blungers 2	1,200
Jigger and Jolly 1	365
Tile press 1	2,670
Potters wheels 2	30
Washing tanks	300
Drying ~~xxx~~ equipment	300
Freight	500
Belting, shafting and other items	300
	7,430
Kiln and chimey with a shed for the kiln	2,800
	10,230 or

Rs. 10,250

P.T.O

Labour.

Materials including chemicals and plaster of Paris at Rs.250 P.m. 3,000
Fuel (wood) at Rs. 150/- per mensem. 1,800
4,800

Western India

Copy of letter dated 20th December 1945 from the Tile Manufacturers Association, Mangalore to the Director of Industries and Commerce, Madras.

Sub: Re: Glazed flooring & Mosaic Tiles Experimental Work.

I have the honour to inform you that our Association at its meeting held on the 18th instant considered the proposals on the above subject contained in your letter No.C4-2544/45 of the 4th instant, and expressed itself in complete agreement with them. Our members are quite willing to extend their full co-operation to you inthis behalf. But out Association feels that a personal discussion with the Ceramic Expert or any other representative of your Department is necessary to clarify all points concerning the new experiment.

I would therefore urge you to arrange for an early meeting at Mangalore between such representative and the Association.

From the Western India Tile manufacturers Association, Mangalore

Copy of letter dated 9th February 1946 to the Director of Industries and Commerce, Madras.

In furtherance of the conversation your Ceramic Expert, Mr. Raju, had with the members of the Kanara chamber of Commerce and with the members of this Association, and in confirmation of the conversation that took place yesterday, I have much pleasure in intimating to you that your proposal embodied in your communication dated 4th December 1945 has been accepted. For want of sufficient time the matter could not be formally placed before the General Body of the Association. It is however hoped that the Association will at all events accept it. Should it however transpire that the acceptance by the Association as a body be not capable of achievement, the undersigned in his personal capacity along with at least two other manufacturers, Namely , Mr.F.X.D. Pinto of Messrs. A.B. Pinto & Sons, and Mr. Pandit Gajanan Rao of Messrs. Matpadi Brothers, have agreed and undertaken to find the necessary funds to be contributed for the purpose. In confirmation of such undertaking on their part they have also appended their signature hereunder. Therefore, it is clear that the proposal can be placed before the Government and sanction obtained with all convenient speed and avoiding all possible delay..

Requesting you to do all the needful in the matter expeditiously

Doc 5

116/21/3

Memo No. 15049 D/46-2 d. 21.3.46

Issue Cir 21.3.46

Sub Industries – Cottage Industries – Manufacture of glazed flooring and Mosaic tiles – Experimental work – Ceramic Asst. – Pay.

Ref: 1. From the Dte No. C4.2544/45 d 23.2.46.

2. Dte Cir Memo No. 15049 D/46-1 d 17.3.46.

It has been suggested that it will be sufficient to sanction a time scale of pay of Rs 70-15 p.m. for the proposed Ceramic Asst. in the schemes suggested in the letter cited. The Dte is requested to offer his remarks on the suggestion.

The Dte Cir 17.3.46 Loan 19.3.46

R. 13.4.46

Dte Cir 19.4.46

C.F 32 (a).

Industries and Commerce Department

Received ..... Registered .....

From (Name) Sri Rao Bahadur N.M. Ayanthaya, B.Sc., (Engin.)
Designation Director of Industries & Commerce,
Station Madras.

To

The Secretary to Government,
Development Department,
Madras.

21851

Enclosures:

No. C.4-2544/45 dated 29th March 1946.

Sir,

Sub: Industries - Cottage Industries - Manufacture of glazed flooring and Mosaic tiles - Experimental work - Ceramic Assistant - Pay.
Ref: Memorandum No.15049-D/46-2 dated 21-3-1946.

The services of a Ceramist having theoretical knowledge as well as practical experience are required to conduct the experiments on sanitary and mosaic tiles at the proposed experimental station at Mangalore. As there is now a great dearth of trained personnel in Ceramics, it is not possible to procure the services of a qualified and suitable candidate for a salary less than Rs.150/- per mensem. In as much as the post is proposed to be created temporarily for a period of two years only, there is no necessity for giving a time scale of pay.

p.t.o.

In the circumstances, I request that the pay of Rs. 150/- per mensem for the post of Ceramic Assistant proposed in this office letter No.C.4-2544/45 dated 23-2-46 may kindly be approved.

for Director of Industries & Commerce.

CVG-29.3.

Cmo 1512/5

C.F. 16.

DRAFT FOR APPROVAL.

	Date.	Initials.
When received for fair copying ..	17.4.46	
When copied ..		
When examined..		
When signed ..		
When despatched.		

SUBJECT: File Industry - Industries - Manufacture of glazed flooring and Mosaic tiles in the S. Kanara Dt. — Experimental Centre - opening of - Proposals of DI & C - Accepted

RR 284

READ AGAIN Cmo 15049/D/46, dated ..... 19.....

" " ..... " ..... 19.....

READ *ALSO*:—

C. No. 15049/D/46 From the DI & C, No. C4. 2544/45 dated 23.2.1946

" " " " " C4-2544/45 " 29.3.1946.

" " " " " " 19.....

Order ~~Resolution~~ Ms. No. 1592, dated 17-4-46. 19.....

The Govt. approve the proposals of the DI & C to open an experimental Centre in one of the tile factories in the South Kanara Dt. for conducting research work on the ceramic raw materials available in the District with a view to standardising bodies and glazes for the manufacture of various types of tiles. Articles will be manufactured at the Centre on an experimental scale and the manufacturing methods will be demonstrated to the public. Facilities for training technical personnel required for the Factories in the District will also be provided at the Centre.

2. Sanction is accorded (1) to the employment of the following Staff at the Centre, temporarily for a period of two years from the date of appointment:—

1 One Ceramic Assistant on Rs 150/- p.m.

10

One Supervisor on Rs 55/- p.m.

Two Skilled workmen on Rs 30/- p.m. each

Three Labourers on Rs 15/- p.m. each.

In the case of the Skilled workmen and labourers, the wages shall be paid subject to the usual conditions as to the grant of increments subject to the maximum indicated above, enabling drawal of allowances which are not to be paid separately and (ii) to the incurring of an expenditure not exceeding (Rupees Fifty)
Rs 50/- p.m. on travelling allowances for the Staff.

3. The DSIR shall arrange with representatives of the Tile Industry in the Dte to provide the cost on equipment estimated at

Rs 10,250/- (Rupees Ten Thousand two hundred and fifty only)

and that on raw materials estimated at Rs 4800/- (Rupees required for the experimental Centre
Four thousand eight hundred only) per year/, as detailed in the
annexure to this order, and such expenditure will not be
~~to be met by the representatives~~ incurred by the Govt in working the Scheme.
~~of the Tile Industry at Mangalore.~~

4. The expenditure on the staff and T.A. sanctioned in para 2 above should be debited to "43 - Cottage Industries - Industries - Ceramic Industry". The Dte is requested to submit proposals in due course for the additional appropriations of funds required to meet the expenditure. The A.G. is authorized to admit the expenditure in audit pending provision of funds, here.

5. The Dte is requested to submit draft ad hoc rules in respect of the posts of Ceramic Asst. and Supervisor sanctioned in para 2 above.

15.4.46 16.4.46 17.4.46

2. 22/4
The Dte
" A.G.
thro Fin.
Copy to
Public (Pu
Copy to SF

Annexure.
Expenditure to be provided by representatives of Tile Industry.

Equipment.		
Ball mill 3'x3'	1	Rs 1265
Pot mill Single runt and 3 pots	1	500
Blungers	2	1200
Jiggers and jolly	1	365
Tile press	1	2670
Pulley wheels	2	30
Working tanks		300
Drying equipment		300
Freight		500
Belting, Shafting and other items		300
		7430
Kilns and Chimneys etc (Civil Wks)		2800

PTO

Raw Materials etc.

(c) as per Material including chemicals and plastering

Paris at Rs 250 p.m.	Rs 3000
Fuel (wood) at Rs 150 p.m.	1800
	Rs. 4800

Noted
16/4/46

16/4/46

Noted

21

A call book entry made (6646 65 46) in respect of submission of ad hoc rules by the DIC on 17.7.46

Sd/- [illegible]

C.No. 150449/A

Sub:- Industries - Cottage Industries - Manufacture of glazed flooring and Mosaic tiles - Experimental Work Proposals from DIOE

Ref:- From the DIOE No. C4. 2544/45 d 23.2.46.

To U.S.

Please see the letter from the DIOE on pp 1-2 ante. The DIOE has submitted proposals for the opening of an experimental centre in one of the tile factories in the South Kanara Dt. for conducting research work on the ceramic raw materials available in the Dt. with a view to standardizing the bodies and glazes for the manufacture of various types of tiles. Articles will be manufactured at the Centre on an experimental scale and the manufacturing methods will be demonstrated to the public. Facilities for training the technical personnel required for the factories will also be provided at the Centre.

The proposal involves the employment of the following staff for a period of two years :—

One Ceramic Asst. on Rs. 150 p.m.
One Supervisor on Rs. 55 p.m.
Two Skilled workmen on Rs 30 p.m. each
Three labourers at Rs 15 p.m each

and ii) an expenditure of Rs 50/- p.m. on T.A. for the staff.

It is stated that the representatives of the tile industry at Mangalore have agreed to meet the cost on equipment estimated at about Rs 10,250/- and that on raw materials estimated at Rs 4800/- per year.

The steps taken by Govt. so far for the development of tile industry in this Province are as follows. The Govt have sanctioned the employment of one Demonstrator on Rs 70-150 p.m. in each of the Bellary and Vizagapatam Dts for conducting a survey of the resources of the raw materials for the tile industry in the Districts. The Demonstrator in the Vizagapatam Dt. will also render technical assistance

to the tile factories in the East Godavari Dt. The Govt. have also sanctioned the employment of a Technical Asst. (Tile Manufacture) on Rs.150 - 200 p.m. for a period of one year for developing the tile industry in the East Coast of the Province. The Technical Asst. will assist private industrialists in establishing new tile factories and in effecting improvements to the factories already established. It would appear that the proposal in this case could now be legitimately accepted. But, in view of the fact that the private industrialists at Mangalore have offered to meet the capital and recurring expenditure (excluding that on staff and T.A.) it is for orders whether the proposal of the Dt to open an experimental centre at Mangalore will be accepted and the staff and expenditure detailed at 'A' and 'B' above will be sanctioned for a period of two years.

The remarks of Fin. may be invited.

The proposal may be supported in this Dept.

4.3.46 5346

5346 7/3/46

Dev Dept.

15069 D 46-1

Finance (E.II) Dept.

The experimental work, connected with the Manufacture of glazed flooring and mosaic tiles and other building materials in Mangalore preliminary to starting ceramic industry in South Kanara District, involves the following items of staff and equipment:-

(1) The employment of a staff of

1 Ceramic Assistant on Rs.150 plus 26 (D.A.)	176
1 Supervisor on Rs.55 plus 18 (D.A.)	73
2 Skilled Workmen on Rs.30 plus 16 (D.A.) and 3 Labourers on Rs.15/- p.m. plus 16 (D.A.)	185
T.A. at Rs.50 p.m.	50
	484 p.m.
	or Rs.5,808 p.a.

(2) Materials and labour (recurring) Rs.4,800 p.a.

(3) Equipment (non-recurring) Rs10,230

Total Rs.10608 recurring p.a. & 10230 (non-recurring)

ASST. SECRETARY TO GOVERNMENT 8 MAR 1946 FINANCE DEPARTMENT

13571 Gen

It is stated that the representatives of the Tile Industry at Mangalore have agreed to provide the equipment, materials and labour in items (2) and (3) on page 2 above and that it is enough to sanction the staff in item (1) on page 2 above at Government cost. It will be seen

It will be seen from the D.I.&.C's letter in the C.F. that the Tile Industry is already in a ~~perishing~~ flourishing condition in Mangalore and has had its share of the war boom and that the present proposal will eventually benefit the leaders of that industry. Having regard to these circumstances and the fact that the cost of the proposal is ~~appreciable~~ not large and beyond the capacity of private industrialists, it seems that the Tile Manufacturers' Association ~~should~~ may be asked to meet the entire cost of the proposal (including staff), Government ~~assistance~~ assistance, if necessary, being restricted to technical advice from the Ceramic Expert. In fact, it would appear from the Association's letter on page 4 C.F. that it is likely to agree to meet the entire cost.

If, however, it is decided to accept the proposal, it seems sufficient to sanction one Ceramic Assistant and ~~one~~ the Supervisor on the usual scales of 70 - 150 and 55 - 75 respectively temporarily for a period of 2 years, ~~it being left to the Tile Manufacturers' Association to meet the cost of the remaining items of the expenditure including 2 skilled workmen and 3 labourers. The Association may be asked to deposit its share of cost in advance.~~ The skilled workmen & labourers may also be appointed

~~According to ruling 1 under section B of the New Services Pamphlet~~, the proposal will have to be treated as a new service as the expenditure is on a new object and as the extra cost of Rs.1,440 exceeds the limit of Rs.2,500 per annum. The expenditure may be debited to '43 a. Industries - Q. Ceramic Industry!

JRho B.C. 12.3.46.

Demi no 13521 Secy 13.3.46.

Please see Fin. notes on pp 2-3 above. Fin. dept. seem to accept the

GOVT SECRETARIAT 13 MAR 1946

~~Copy~~ of the DI&C except in regard to the scales of pay for the proposed Ceramic Asst. and the Supervisor, the scales of pay suggested by the DI&C and the Fin. dept. are compared below: -

	Pay suggested by DI&C	Pay suggested by Fin.
1. Ceramic Asst	Rs. 150-[illegible] pm.	Rs 70-150 pm.
2. Supervisor	55-[illegible] pm	55-75 pm.

Item (2) above. There seems no objection to accept the proposal of Fin. to sanction a time scale of pay for the proposed Supervisor for orders.

Item (1) above. The suggestion may be put to the DI&C. Subject to orders, a draft memo to the DI&C is submitted for approval

Cl. 18.3.46 Dft 19.3.46

[Issued Memo No. 15049/46-2 d 21.3.46]
[From the DI&C No. C.4-2544/45 d 29.3.46]

To U.S.

[Summarizing Note]

This file deals with the proposals of the DI&C for opening of an experimental Centre in one of the tile factories in the South Kanara Dt. for Conducting research work on the ceramic raw materials available in the District with a view to standardising bodies and glazes for the manufacture of various types of tiles. Articles will be manufactured at the Centre on an experimental scale and the manufacturing methods will be demonstrated to the public. It is stated that facilities for training the technical personnel required for the factories will also be provided at the Centre.

The proposals involves ~~...~~

i) The employment of the following staff for a period of two years ~~...~~

one ~~Ceramic~~ Assistant ~~...~~

One Supervisor ~~...~~

Two skilled workmen ~~...~~

Three labourers ~~...~~

and ii) an expenditure of ~~...~~

It is stated that the representatives of the tile industry at Mangalore have agreed to meet the cost on equipment estimated at ~~...~~ about Rs 10,250/= and that on raw materials estimated at Rs 4800/= per year.

Fin. dept. accept the proposals of the DI&C except in regard to the pay of the proposed ceramic Asst. They suggest that the proposed ceramic Asst. may be paid a time scale of Rs 70-150/= p.m. instead of a fixed pay of Rs 150/= p.m. The DI&C however considers that it will not be possible to ~~...~~ employ a qualified and suitable candidate for a salary less than Rs 150/= p.m.

It is for orders :-

i) whether the proposal of the DI&C to open an experimental centre in one of the tile factories in the S. Kanara Dt. will be accepted and the staff and expenditure detailed at 'A' above will be sanctioned;

or ii) whether the proposal ~~...~~ of the DI&C as at A above will be accepted subject to the modification suggested by Fin. that the ceramic Asst. may be paid a time scale of Rs 70-150/= p.m., instead of a fixed pay of Rs 150/= p.m.

As the expenditure is on a 'new service', orders may be obtained in full circulation.

C
1.4.46

DAO
2.4.46.

There seems no point in jeopardising a scheme of this sort by giving a scale of R70-150 pm. to the Ceramic Assistant when on that scale the DIC advises we will not get a good man. (PTO

'D' on p 1 of

'A' on p 1 of
'B' & 'C' on pp 3-4
of

'A' on p 2 above
Time scale suggested by Fin for Supervisor also no difference

'B' on p 2 of

'A' on p 1 of X.

'A' on p 1 above

'A' on p 2 above.

21/5/4

Moreover as the D.I.C. explains the post is only to be created temporarily and a time scale is hardly necessary

For orders as to whether (i) alternative overleaf will be pressed for approval thereof.

L 4/4/46

I agree with H.S.
(i) above may be approved.

4/4/46
T. SIVASANKARI

A2 A1 : A4 H3 ~~H~~ H.C

Mayhappa
SMR
6/4/46

I agree. (The Basel Mission made a lot of experiments to get a hard glazed surface on Mangalore floor tiles and failed on the whole. The clay is not good enough. They therefore set out to popularise the ornamental cement-surfaced tile which has a very long life.)

7.4.46

8/4/46

MADRAS GOVERNOR'S SECRETARIAT
9 - APR 1946
F-106

11.4.46

11/4/46

To H.S 'A' above.
~~The draft is submitted for approval.~~
~~Draft may be approved~~ No action is called for on the observation at 'A' above.

23799 EP

15.4.46

Approved
11.4.46

ASST. SECRETARY TO GOVERNMENT
25 APR 1946
FINANCE DEPARTMENT

15049 Dec-3
24 copies

7

(Previous Fin. note exptd
the Case may be returned to
after perusal of the orders in Circulation exptd
[illegible] and No 1592 Dev - d 17.4.46 (already issued)

25/4/46

27/4/46

Dev

Fin II-Ofm 23799 Gen-I
27.6.46.

27895

UNDER SECRETARY
30 APR 1946
DEVELOPMENT DEPARTMENT

To AS

Minute:- This may be closed as G.O.M 1592 Misc Dev d 17.4.46

Sd/ 2/5/46 ASS
25/4/6

3/5/46

Foreigners
visited in
Kashmir estimate
for 1946-47

Closed

Home [illegible]

7

Fin (Gen)

(Previous Fin note supp 2- 3 above)

The Case may be remitted to Dept after perusal of the orders in Circular in supp 6 above

M | HQ-46 and GO 1592 Dev dt 17.4.46 (Already issued)

Dy (Dev) 25/4/46

27/4/46

Dept

Will.Okw.23799 E II-1
27.6.46.

27895

UNDER SECRETARY
30 APR 1946
DEVELOPMENT DEPARTMENT

To AS

Minute:- This may be closed as GO M 1592 MS Dev dt 17/4/46

Dy/2/5/46 Dev 25/4

3/5/46

Figures included in Revised estimates for 1946-47

Closed

Hence no record in C&AG's